



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

**MAIN CAMPUS
MAIN EXAMINATIONS**

**UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR**

**FIRST YEAR SECOND SEMESTER EXAMINATIONS FOR CERTIFICATE IN
AGRICULTURE**

COURSE CODE: CAG 007

COURSE TITLE: AGRICULTURE ENTOMOLOGY AND PARASITOLOGY

DATE: 21ST APRIL, 2022

TIME: 8-10AM

INSTRUCTIONS TO CANDIDATES

Answer ALL questions in section A and ANY TWO questions in section B

TIME: 2 Hours

Total marks=70

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over.

SECTION A (30 MARKS)

Question One

Outline the general characteristics of the Class Insecta(6 marks)

Question Two

List any six orders of the Class Insecta(6 marks)

Question Three

Give one insect pest and one symptom of damage on each of the following crops:

- a) Legumes(2 marks)
- b) Brassicas(2 marks)
- c) Maize (2 marks)

Question Four

Define the following terms:

- a) Ectoparasite(2 marks)
- b) Facultative parasite(2 marks)
- c) Obligate parasite (2 marks)

Question Five

Highlight any three routes of parasitic infections (6 marks)

SECTION B: ANSWER ANY TWO QUESTIONS (40 MARKS)

Question Six

Write an essay on insect thoracic appendages (20 marks)

Question Seven

Write an essay on the effects of parasites on their hosts (20 marks)

Question Eight

Describe the life cycle of a typical cestode(20 marks)